

NELSON ANDRADE-PACHECO

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EDUCATION

Bowdoin College, Brunswick, ME - *Bachelor of Arts*

Major: Computer Science; *Minor*: Sociology

CODING SKILLS

Languages: Python, Java, C, JavaScript

Technologies: AWS, HTML, CSS, SQL, JSON, REST APIs, Kubernetes, Docker, React

Tools/Frameworks: Git, Splunk, Django, Flask, Spring Boot, JUnit, Airflow, JIRA, CI/CD, Postman, Swagger, PagerDuty, Maven, CloudFormation, Bootstrap

EXPERIENCE

America On Tech, Los Angeles, CA

April 2024-Present

Web Development Instructor

- Served as the instructor for AOT's Tech360 summer program and Tech Flex Leaders fall program.
- Delivered engaging web development curriculum, covering foundational web development technologies.
- Evaluated student progress through projects and provided feedback to enhance their technical growth.
- Collaborated with program managers to refine course, ensuring alignment with current industry trends.
- Mentored aspiring developers on industry-standard tools, frameworks, design principles and problem-solving techniques.

Vanguard, Malvern, Pennsylvania

April 2021-April 2024

Software Engineer II

- Engineered cloud native solutions for the Cost Basis Accounting team and Tax team using AWS.
- Created multi-batch process in AWS to process +250k trade records intraday, eliminating existing nightly cycle.
- Utilizing AWS infrastructure, delivered solution to assign processing priority to individual accounts as needed.
- Delivered E-Delivery solution with Tax team, reducing the number of support calls during tax season by 75k.
- Served as interim Tech Lead during restructuring and led backlog refinements, story pointing, and deployments.
- Spearheaded Splunk monitoring for data processing, implemented alert systems, and was responsible for being on-call on a bi-weekly basis.

Tamr, Inc., Cambridge, MA

Summer 2019

Software Engineer Intern

- Completed open-source project, [Tamr-client](#), allowing clients to interact with Tamr programmatically in Python.
- Communicated effectively with other interns and teams in an agile environment at a fast-paced startup.
- Interacted with and contributed to the completion of the REST API project, and successfully presented a demo.
- Collaborated with team to ensure detailed and accurate Swagger documentation for API endpoints and schemas.

PROJECTS & CERTIFICATES

AWS Certified Cloud Practitioner

April 2022

- Demonstrated understanding of fundamental services, including computing, storage, networking, and security.
- Proficient in navigating the AWS Management Console and using services such as S3, EC2, IAM, and Lambda.
- Knowledgeable about AWS pricing, billing, and basic architectural best practices.

CMD + CTRL Hackathon

October 2018

- Navigated vulnerable web applications and collaborated with students to exploit security flaws and earn points.
- Identified and successfully addressed 15 vulnerabilities, enhancing the overall security of the system.
- Implemented secure coding practices leading to a significant reduction in the number of incidents from bad actors.